

BERLIN, Ye.M.; ZAVARINA, M.G.

A composite electric current regulator for the d.c. power transmission system between Volgograd and the Donets Basin. Izv. NIIPT no. 9:86-107 '62.
(MIRA 15:12)
(Electric power distribution—Direct current)

BERLIN, Ye.M.

Stability of a d.c. power transmission control system using a
new tubeless current controller. Izv. NIIP no.1:149-155 '57.
(MIRA 18:9)

IVANOVA, V.S.; GORODIYENKO, L.K.; GEMINOV, V.N.; ZUBAREV, P.V.;
FRIDMAN, Z.G.; LIBEROV, Yu.P.; TERENT'YEV, V.F.; VOROB'YEV,
N.A.; KUDRYASHOV, V.G.; BERLIN, Ye.N., red.

[Role of dislocations in the hardening and the failure of
metals] Rol' dislokatsii v uprochnenii i razrushenii metal-
lov. Moskva, Nauka, 1965. 179 p. (MIRA 18:10)

1. Moscow. Institut metallurgii. 2. Laboratoriya prochnosti
Instituta metallurgii im. A.A.Baykova, Moskva (for all except
Berlin).

БСРГИМ, №. Н.

ZHETVIN, Nikita Petrovich; RAKHOVSKAYA, Faina Samoylovna; USHAKOV, Viktor
Ivanovich; GAMOV, M.I., redaktor; BERLIN, Ya.N., redaktor izdatel'-
stva; ATTOPOVICH, M.K., tekhnicheskij redaktor

[Removing scale from surfaces of metals; practices of the "Serp i
Molot" plant] Udalenie okaliny s poverkhnosti metalla; opyt zavoda
"Serp i molot." Moskva, Gos.nauchno-tekhn.izd-vo lit-ry po chernoi
i tsvetnoi metallurgii, 1957. 108 p.
(Metals--Finishing)

LIVSHITS, Boris Grigor'yevich; BUNIN, K.P., prof., retsenzent;
VINOGRAD, M.I., kand. tekhn. nauk, st. nauchn. sotr.,
retsenzent; MOLOTILOV, B.V., red.; HERLIN, Ye.N., red.
izd-va; KARASEV, A.I., tekhn. red.

[Metallography] Metallografiia. Moskva, Metallurgizdat,
1963. 422 p. (MIRA 16:10)

1. Tsentral'nyy nauchno-issledovatel'skiy institut shelkovoy
promyshlennosti (for Vinograd).
(Metallography)

"APPROVED FOR RELEASE: 06/08/2000

CIA-RDP86-00513R000205010005-8

BEKETOV, V. N.; MIRZIN, Ye. N.

Unit for magnetizing magnets. Printed: Ukraine no. 8(20) Ag 164.
(MIRA 17410).

APPROVED FOR RELEASE: 06/08/2000

CIA-RDP86-00513R000205010005-8"

KOLOSOV, M.N.; BERLIN, Yu.A.

Tetracyclines. Part 12: Method of introducing a N,N-dimethylglycine radical into the cyclohexanone ring. Zhur.ob.khim. 32 no.9:2893-2905 S '62. (MIRA 15:9)

1. Institut khimii prirodnykh soyedineniy AN SSSR.
(Cycline) (Cyclohexanone)

BERLIN, Yu. A.

AUTHORS:

Fedin, L. G., Kost, A. N., Berlin, Yu. A. 79-11-24/56
Shipov, A. E.

TITLE:

Reduction With Formic Acid and its Derivatives
(Vostanovleniye murav'inoj kislotoy i yeye proizvodnymi).
VII. On the Reduction of Compounds With a Pyridine Nucleus
(VII. O vostanovlenii soyedineniy, soderzhashchikh
piridinovoye yadro).

PERIODICAL: Zhurnal Obshchey Khimii, 1957, Vol. 27, Nr 11,
pp. 3021-3026 (USSR)

ABSTRACT:

The authors earlier showed that the process of reduction of the quinoline salts with formic acid (up to 1-alkyl-1,2,5,4-tetrahydroquinolines) is greatly accelerated upon addition of triethylamine. In the present work this observation was used in the reduction of a number of other compounds with pyridine-nucleus. Chlorides and bromides of N-alkylpyridine in the reduction with formic acid and sodium-formate chiefly formed 1-alkylpiperidines and only 10-15% 1-alkylpiperidines. In the experiment to reduce in this manner the iodides of N-ethyl- or N-butyl-pyridine only labile compounds were obtained. With triethylamine in the place of formate, however, the iodides and sulfates of N-alkylpyridine salts, like

Card 1/2

Reduction With Formic Acid and its Derivatives.
VII. On the Reduction of Compounds With a Pyridine Nucleus

79-11-24/56

the bromides and chlorides, are reduced. The period of reaction is in this connection shortened from 18-20 to 3-4 hours and the yields of 1-alkyl- Δ^3 -piperidines increased to 25-35%. Thus the salts of N-alkylpyridine are fairly easily reduced, where a mixture of 1-alkylpiperidines and 1-alkylpiperideines forms. The latter are separated over their dibromides with subsequent splitting off. In the reduction of isoquinoline and its quaternary salts a hydrogenation of the pyridine-ring and the formation of 1,2,3,4-tetrahydroisoquinoline takes place.

There are 15 references, 3 of which are Slavic.

ASSOCIATION: Moscow State University (Moskovskiy gosudarstvennyy universitet).

SUBMITTED: November 1, 1956

AVAILABLE: Library of Congress

Card 2/2 1. Formic acid - Derivatives 2. Pyridines - Derivatives

5 (3)

AUTHORS: Shemyakin, M. M., Academician,
Kolosov, M. N., Arbuzov, Yu. A.,
Berlin, Yu. A.

SOV/20-128-4-30/65

TITLE: Investigation of the Methods of Ring Synthesis of A-Tetra-
cyclines -- Method of Introducing the N,N-Dimethylglycine
Residue Into the Cyclohexanone Ring

PERIODICAL: Doklady Akademii nauk SSSR, 1959, Vol 128, Nr 4, pp 744 - 747
(USSR)

ABSTRACT: For a further utilization of the tricyclic oxydiketones of type
(I), described by them, in the synthesis of tetracyclines (II),
the authors developed a general method of transformation of
cyclohexanones (III) via keto-ester (IVa) into compounds (V).
The (Va) have a characteristic oxydiketone-carboxamide system
of the A-ring of tetracyclines (Ref 2). To build up the A-ring
itself in a similar way (this ring having a Me₂N-group in posi-
tion 4 (Vb)), the method of introducing the N,N-dimethylglycine
residue into the cyclohexanone ring (III) had first to be de-
veloped, and the reactivity of dimethyl-amino-keto esters of
type (IVb) had to be investigated. The present paper deals with

Card 1/3

Investigation of the Methods of Ring Synthesis of
A-Tetracyclines - Method of Introducing the N,N-Di-
methylglycine Residue Into the Cyclohexanone Ring

SOV/20-128-4-30/65

these problems. A model synthesis and some transformations of the simplest compound of type (IVb) - the ester of threo-2-keto-cyclo-hexyl-N,N-dimethyl glycine (XIIa) - are described. The above-mentioned introduction into the cyclohexanone ring has to be carried out under such conditions and by such methods as are also applicable to the case of tricyclic oxydiketones (I). This method is described. The authors ascribed a threo-configuration to the dimethyl-amino-keto ester obtained. This was also confirmed by further transformations (XVIII) and (XIVa). Table 1 shows the compounds obtained, their constants, as well as the composition found analytically and by computation (VIa - XXII). The dimethyl-amino-keto ester (XIIa) synthesized by the authors was also investigated with respect to the introduction of an ethinyl residue into the molecule. This is necessary for building up the "lower" part of the A-ring of tetracyclines by the method developed previously (Ref 2). It was shown that (XIIa) easily reacts with $\text{HC} \equiv \text{CNa}$ in liquid NH_3 at -50° to form an acetylene-oxy ester in a 60% yield. The latter is supposed to

Card 2/3

Investigation of the Methods of Ring Synthesis of
A-Tetracyclines - Method of Introducing the N,N-Di-
methylglycine Residue Into the Cyclohexanone Ring

SOV/20-128-4-30/65

have a spatial structure similar to (XIIIb). It shows a pronounced tendency towards lactonization to (IX), and is - in this respect - similar to the threo-transamino-oxy esters (XVI). By the effect of $(\text{AcO})_2\text{Hg}$ in EtOH at 20° , it is epimerized to an erythro isomer (XVII). In contrast to the initial compound, the latter shows no tendency to lactonize, and is not changed by distillation even at 100° . There are 1 table and 6 references, 2 of which are Soviet.

ASSOCIATION: Institut organicheskoy khimii im. N. D. Zelinskogo Akademii nauk SSSR (Institute of Organic Chemistry imeni N. D. Zelinskogo of the Academy of Sciences, USSR). Institut biologicheskoy i meditsinskoy khimii Akademii meditsinskikh nauk SSSR (Institute of Biological and Medical Chemistry of the Academy of Medical Sciences, USSR)

SUBMITTED: June 27, 1959
Card 3/3

BERLIN, YU. A.

Dissertation defended for the degree of Candidate of Chemical Sciences at
the Institute of Organic Chemistry imeni N. D. Zelinskiy in 1962:

"Study of Ways of Synthesizing the A Ring of Tetracyclines."

Vest. Akad. Nauk SSSR. No. 4, Moscow, 1963, pages 119-145

BERLIN, Yu.A.; KOST, A.N.

3 △ -Piperideines. Usp.khim. 29 no.2:220-233 F '60.
(MIRA 13:6)

1. Khimicheskiy fakul'tet Moskovskogo gosudarstvennogo
universiteta imeni M.V. Lomonosova.
(Pyridine)

ARBUZOV, Yu.A.; BERLIN, Yu.A.; VOLKOV, Yu.P.; KOLOSOV, M.N.;
OVCHINNIKOV, Yu.A.; SE YUY-YUAN' [Heieh Yü-yuan];
TAO CHZHEN-E [T'ao Chêng-é]; SHEMYAKIN, M.M.

Study of the ways of synthesizing tetracyclines. Antibiotiki
6 no.7:585-594 Jl '61. (MIRA 15:6)

1. Institut khimii prirodnykh soyedineniy AN SSSR.
(TETRACYCLINE)

BERLIN, Yu. A.; KOLOSOV, M. N.; SHEMYAKIN, M. M.; BRAZHNKOVA, M. G.*

"Olivomycin - hydrolysis and alcohololysis."

report submitted for Antibiotics Cong, Prague, 15-19 Jun 64.

Inst of Chemistry of Natural Substances, AS USSR, Moscow; *Inst for Search
of New Antibiotics, AMS USSR, Moscow.

BERLIN, Yu.A.; VOLKOV, Yu.P.; KOLOSOV, M.N.; OVCHINNIKOV, Yu.A.;
TAO CHZHEN-E [T'ao Cheng-e]; SHEMYAKIN, M.M.

Tetracyclines. Part 22: New paths for building up a ring
A of dedimethylaminotetracyclines. Zhur. ob. khim. 34 no. 3:
790-798 Mr '64. (MIRA 17:6)

1. Institut khimii prirodykh soyedineniy AN SSSR.

BERLIN, Yu.A.; KOLOSOV, M.N.; SHEMYAKIN, M.M.

Tetracyclines. Part 24: Building up a ring A of tetracyclines.
Zhur. ob. khim. 34 no. 3:79c 807 Mr '64. (MIRA 17:6)

1. Institut khimii prirodnykh soyedinenii AN SSSR.

BELAYENKO, F.A., prof., doktor tekhn.nauk; YERZHANOV, Zh.S., kand.tekhn.nauk;
GLUSHKO, V.T., inzh.; ERELIN, Yu.D., inzh.

Some preliminary results of studying physical and mechanical properties
of Krivoy Rog rocks and methods of testing them. Nauch. dokl. vys. shkoly;
(MIRA 11:9)
gor. delo no.3:62-69 '58.

1. Predstavlena knafedroy shakhtnogo stroitel'stva Dnepropetrovskogo
gornogo instituta im.Artema.
(Krivoy Rog—Rocks—Testing)

BERLIN Yu. K.
KHAIN, V. Ye., AFANAS'YEV, S. L., BERLIN, Yu. K., GOFMAN, Ye. A., LOMIZE, M. G.,
and RIKHTER, V. G.

"New Data on the Geology of the North-Western Caucasus"

report delivered in the Geologic Section, 1 March-4 June 1957.

Chronicle of the Activity of the Geologic Section, Byulleten' Moskovskogo
Obshchestva Ispytateley Prirody, Otdel Geologicheskiy, No. 6, p. 115-118, 1957.

PARSADANOVA, E.A.; BERLIN, Yu.M.; ORLOVA, I.N.; FADEYEV, M.I.; CHERNOVA,
Ye.N.; YARIKOV, G.M.

Carboniferous sediments of the western part of the northern
Caspian oil- and gas-bearing basin. [Trudy] NILneftegaza
no.10:182-222 '63. (MIRA 18:3)

1. Nauchno-issledovatel'skaya laboratoriya geologicheskikh
kriteriyev otsenki perspektiv neftegazonosnosti; Volgogradskiy
nauchno-issledovatel'skiy institut neftyanoy i gazovoy promyshlennosti;
Nizhnevолжskiy nauchno-issledovatel'skiy institut geologii
i geofiziki i Kuybyshevskiy nauchno-issledovatel'skiy institut
neftyanoy promyshlennosti.

BERLIN, Z.

Wrote about the locomotive construction plant im. "October Revolution".

Soviet Source: N: Mashinostroyeniye, No. 3, 7 Jan. '41, Moscow. Abstracted in
USAF "Treasure Island", on file in Library of Congress, Air Information Division.
Report No. 90875

BERLIN, Z. L.

PA 65T51

USSR/Engineering
Boilers

Mar 1948

"New Vertical Transportable Boiler VTKB," Z. L.
Berlin, Engr, Moscow Boiler-Mech Works, MPP,
USSR, 3½ pp

"Prom Energet" No 3

Boilers have 1-ton capacity of steam per hour. Can
be used at large construction sites, and in power
stations generating 50-70 kw. Briefly describes
the operation of boilers, and briefly notes some
of the peculiarities accompanying their care and
operation.

65T51

BERLIN, J. L.

27068

Per'ye itogi eksplotatsii kotlov VTKB 0,5/8 i ispytanie kotla VTKB
0. 7/8. Za ekonomiyu topliva, 1949. No. 8, S. 13-17

SO: LETOPIS' NO. 34

~~Z.~~. Berlin, Z. L.

AID P - 4082

Subject : USSR/Power Eng.

Card 1/1 Pub. 110-a - 7/14

Authors : Leleyev, N. S. and Z. L. Berlin, Kand. Tech. Sci.
Moscow Power Institute

Title : Using a rotating centrifugal separator to divert steam.

Periodical : Teploenergetika, 12, 36-41, D 1955

Abstract : Tests of a new rotating "turboseparator" are explained. A theoretical analysis of the turboseparation process is given. The construction of a turboseparator for industrial use in steam boilers is advocated. Seven diagrams. Three Russian references, 1946-1952.

Institution : None

Submitted : No date

BERLIN, Z. L.

137-58-5-8846

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 5, p 15, (USSR)

AUTHOR: Berlin, Z. L.

TITLE: Present State and Future Prospects of the Utilization of Secondary Power Resources in Non-ferrous Metallurgy (Sostoyaniye i perspektivy ispol'zovaniya vtorichnykh energeticheskikh resursov v tsvetnoy metallurgii)

PERIODICAL: Tr. Nauchno-tekhn. soveshchaniya po ispol'zovaniyu vtorichnykh energ. resursov. Moscow-Leningrad, Gosenergoizdat, 1957, pp 48-62

ABSTRACT: Approximately 70 percent of the heat (H) supplied by the furnace fuel in the process of shaft-furnace smelting of copper-pyrite is accounted for by the H of the escaping waste gases, the cooling water, and the slags (S). In reverberatory smelting of copper matte the H of the waste gases and S accounts for up to 80 percent of the fuel H. In the production of Zn, Sn, and Pb, the H of the waste gases, cinder, and air used for cooling constitutes 60-80 percent of the H supplied by the fuel. The utilization of these secondary power resources at non-ferrous metallurgy plants is insignificant, amounting to 15 percent in the

Card 1/2

137-58-5-8846

Present State and Future Prospects (cont.)

case of the waste gases, 20 percent in case of the molten S's, and 1 percent in case of the cooling water. The recovery of the H from waste gases is difficult owing to large amounts of dust contained in these gases (up to 50 g/nm³) and because of the low melting point (900°-1000°C) of the material that is carried off. In order to eliminate these difficulties, it is planned to install slag separators and screening chambers which would cool the flue gases to a temperature of 270° prior to their entrance into the recovery boilers (RB). A drumless turbo-separator boiler is in the design stage; it consists of coils operating on the principle of forced circulation. Upright water-tube RB's are being manufactured for utilization of H from Diesel waste gases. The H of molten S is being recovered at one metallurgic plant. An experimental installation which has been completed at the "Yuzhurnalnikel" Kombinat includes provisions for conversion of caissons to diphenyl liquid cooling with subsequent generation of high-energy steam in a heat exchanger.

Ye. N.
1. Metallurgy--USSR 2. Fuels 3. Waste gases--Applications 4. Separators
--Design

Card 2/2

BERLIN, Z.L.; SOBOL', S.I.

~~Creation of industrial autoclave equipment. Biul. TSIIN tavet. met.~~
no. 6:19-22 '58. (MIRA 11:7)

(Ore dressing)
(Autoclaves)

BERLIN, Z.L.

Effect of autoclave construction on the rate of oxidizing
leaching. Sbor. nauch. trud. Gintsvetmeta no.18:438-453 '61.
(MIRA 16:7)

(Autoclaves—Design and construction)
(Leaching)

SOBOL', S.I.; NELEN', I.M.; SPIRIDONOV, V.I.; BERLIN, Z.L;
GORYACHKIN, V.I.; TARAKANOV, B.M.; SHKURSKIY, V.D.; Prinimali
uchastiye: FREYMAN, A.K., inzh.; BRUK, B.M., inzh.;
CHEBOTKEVICH, G.V., inzh.; OSPIN, V.G., inzh.; ALEKSANDROVA, N.N.,
laborant; SALTYKOV, I.B., laborant; TELKOVA, Ye.I., laborantka;
TEPLYAKOV, Yu.M., laborant; GAVRILENKO, A.P., slesar';
KURGUZOV, A.S., elektrik; GAVRILOV, I.T., elektrik

Pilot-plant testing of the State Institute of Nonferrous
Metals flow sheet for the autoclave retreatment of copper-
molybdenum intermediate products. Sbor. nauch. trud. Gin-
tsvetmeta no.19:319-339 '62. (MIRA 16:7)

(Nonferrous metals—Metallurgy)
(Leaching)

CHILAYEV, Georgiy Andreyevich; BERLIN, Z.Kh., red.; SOBOLEVA, Ye.M.,
tekhn.red.

[Fuel economy and fuel supply of large foreign electric power
stations] Toplivnoe khoziaistvo i toplivopodachi krupnykh
zarubezhnykh elektrostantsii. Moskva, Gos.energ.izd-vo, 1960.
134 p.
(Electric power plants--Equipment and supplies)

CHILAYEV, Georgiy Andreyevich[deceased]; HERLIN, Z.Kh., inzh., red.;
YURKEVICH, M.P., inzh., red.; SHCHETININA, L.V., tekhn. red.

[Mechanization of fuel supply and ash removal in industrial
boiler systems]Mekhanizatsiya toplivopodachi i zoloudaleniya
promyshlennyykh kotel'nykh. Moskva, Mashgiz, 1962. 137 p.
(MIRA 16:2)

(Boilers) (Feed mechanisms) (Ash disposal)

मिति: गोपनीय दू अधिकारी नामकरण

卷之三

PERIODICAL: Tsvetotsvye metally. 1959, N° 7. pp. 84-87 (USSR)

ABSTRACT: On 23-25 February 1959 a conference was held in Moscow for summing-up and coordination work on autoclave processes in the metallurgy of heavy non-ferrous metals and noble

ABSTRACT: On 23-26 February 1989 a conference was held in Moscow for summing-up and co-ordinating work on autoclave processes in the metallurgy of heavy non-ferrous rare and noble

D.M. Yurchakov, Gantsevich, On progress throughout the world on the use of hydrometallurgical methods particularly autoclaves, method for conversion of erroneous smelting products; G. M. Dobrokhov, Diproiron, on nickel leaching practices at some Soviet works; M. I. Douchkin and G. N. Bohrdrachov, on the thermodynamics and kinetics of the selective reduction by hydrogen and carbon monoxide under pressure of nitrogen and cobalt from solution; J. Yu. Lebedev and K. M. Shcheglova, Diproiron, on test decisions on the application of the process to desulfurization by G. M. Dobrokhov at the Tiumenstalnik and Severstal Nickel Works and the Uralvayaz [Ural Nickel Works]; F. M. Maslenitsikov, Leningradskaya Gornaya i Stroitelskaya Naukno-Issledovatel'skaya Institute) on the advantages of a combined flotation-autoclave method for nickel-electrolysis of sulfides containing platinum-group metals; V. N. Zhilikhov, Severstal'niy, combine and E. F. Sobol, Chuvashmet, on the essentials of the general method of oxidizing leaching of nickel, concentrate from converter-mettle filtration; E. I. Sobol, on preliminary investigations on the development of a sulphuric-sulphide method for leaching nickel and cobalt from oxidized nickel ores; H. N. Maslenitsikov, Mezhanbork, on the main results of investigations of the autoclave-soda process for treating tungsten-ore beneficiation products;

L. I. Pancharuk, Mechanov, Skopin-
skaya (Skopinskii) TsoI, separately, on problems in the
application of an autoclave-
soil to sheathite
and wolframite raw material; G. A. Kuznetsov, L. V. Yau-
shevko, N. M. Khoretskii, R. A. Tsvetkov and A. P.
Kozhevnikov, Trapezitite, smectite, talc, kaolinite
and talc Non-Ferrous Metals Institute on the treat-
ment of tungsten concentrates in hydrochloric acid-
water with soda or caustic alkali; M. I. Spiridonova,
S. I. Sosulin, Ye. I. Chilivayeva, L. M. Borodina, N. K. Nekrasov
and B. I. Budenko, Gintverstav, on the treatment of
prepared tungsten unprepared sulphide molybdenum raw material
by oxidizing autoclave alkaline leaching; L. M. Mel'nik
and S. L. Shchegoleva, on the kinetics of oxidizing autoclave
leaching; A. N. Zeilman and Z. M. Kravets, Krasnoyarsk
Non-Ferrous Metals Institute, on the results of a study
of conditions for the selective separation of lower oxides
of tungsten and molybdenum from their salt solutions by
hydrogen under pressure; M. V. Darchuk, Gorno-
metallurgical Institute (Vladikavkaz Metallurgical Institute)
of the Sovnarkhoz (council) or the Amurkaz SSR
on his investigations of ammonium auto-
claves leaching under oxygen pressure of polyoxotungstate con-
centrates; G. A. Slobod, on technical-economic factors of
Krasnoyarsk Non-Ferrous Metals Institute, on an oxidizing

autoclave process for gold-containing raw material; N. G. Tuncali, Ural Polytechnic Institute (Ural Polytechnic Institute) on the behavior of noble metals in oxidizing autoclave leaching; I. Chilouphate solutions; A. L. Teetzel and D. A. Twardzik, U.S. Bureau of Metallurgy and Mineral Resources, USGS, Denver, CO, USA, on the physical-chemical properties of the Kuzbass coal and Beregovinoe Institute of the Kuzbass Coal Institute, respectively, on the physicochemical properties and reactivities of autoclave leaching of polymetalliferous materials; I. Yu. Lashchuk, Chelyabinsk Institute of the Uralskii Branch of the USSR Academy of Sciences, on the use of autoclave leaching for the treatment of mineral concentrates; V. A. Sosulin, Riga Institute of Technology, on industrial experience of a continuous autoclave leaching process for tantalum; V. G. Arutunyan, Institute SSSR (JINR), Dubna, Moscow, Russia, on compounds of scandium rare elements in various valency states under oxygen and hydrogen pressure

In the presence of anhydrous ammonia: Z. L. Berlin, G. I. Gavrilovets, on autoclave design and operation, P.-G. - Lebedeva, G. Prorokil', and N. Ye. Vinogradovskiy, VNIIG - neftiana, on model studies on autoclaves and the development of mixers. M. A. Polozov, V. B. Girentsev, on the design of an experimental high-pressure pulp pump. Q. L. Shvarcova, Mikulinich, on the selection of steel for acid leaching of cobalt matte and matte-flootation concentrators. N. I. Archakov, Vinogradovskiy, on corrosion of type 17-12-12-12 stainless steel and iron steels in acidic ammonium solutions; the presence of metal ions in acidic ammonium solutions. N. N. Kostylev, S. N. Kuznetsov, S. N. Semenov, on the influence of the presence of organic compounds on the kinetics of the reduction of nitro compounds by hydrogen in a liquid medium. N. N. Kostylev, S. N. Kuznetsov, S. N. Semenov, on the influence of organic compounds on the kinetics of the reduction of nitro compounds by hydrogen in a solid medium.

APPROVED FOR RELEASE: 06/08/2000

CIA-RDP86-00513R000205010005-8"

BERLIN, Z.L.; BYKHOVSKIY, Yu.A.

Experimental grounds for the steam granulation of waste nickel
slag utilizing their physical heat for preheating the air
blown into stack furnaces. TSvet. met. 35 no.4:28-33 Ap
'62. (MIRA 15:4)

(Slag) (Waste heat)

BERLIN, Z.L.; BYKHOVSKIY, Yu.A.

Steam granulation of waste nickel slags for the purpose of
utilizing their heat. Sbor. nauch. trud. Gintsvetmeta no.19:
462-474 '62. (MIRA 16:7)

(Slag) (Waste heat)

BERLIN, Z.L.

Selecting the optimum design of a waste heat boiler for nonferrous
metallurgy. Tsvet. met. 36 no.11:22-26 N 63. (MIRA 17:1)

BERLIN-CHERTOV, S.V., prof.

Blood expectoration and hemorrhaging in the clinical aspect of
lung tuberculosis. Nauch. trudy Chetv. Mosk. gor. klin. bol'. no.1:
393-407 '61. (MIRA 16:2)

1. Iz tuberkuleznogo otdeleniya Moskovskoy gorodskoy klinicheskoy
bol'nitsy No.4 (glavnnyy vrach G.F. Papko).
(TUBERCULOSIS) (HEMORRHAGE)

RAZUVAYEV, G.A.; KHIDEKEL', M.L.; BERLINA, V.B.

Study of the structure of organic compounds by means of electron paramagnetic resonance. Dokl.AN SSSR 145 no.5:1071-1074 '62.
(MIRA 15:8)

1. Nauchno-issledovatel'skiy institut khimii pri Gor'kovskom gosudarstvennom universitet im. N.I.Lobachevskogo. 2. Chlen-korrespondent AN SSSR (for Razuvayev).

(Organic compounds) (Radicals (Chemistry)—Spectra)

SHAPOSHNIKOV, Yu.K.; BERLINA, V.B.; VOZINSKIY, Yu.V.

Using the method of paper chromatography for the analysis of
monobasic fatty acids. Gidroliz. i lesokhim.prom. 15 no.1:15-17
'62. (MIRA 18:3)

1. TSentral'nyy nauchno-issledovatel'skiy lesokhimicheskiy institut.

AUTHOR: Abelev, B.; Berlinblau, Ye. (Zaporozh'ye) 107-58-7-21/43

TITLE: Measuring the Output Voltage of Ferro-resonance Stabilizers
(Ob izmerenii vykhodnogo napryazheniya ferrorezonansnykh
stabilizatorov)

PERIODICAL: Radio, 1958, Nr 7, p 29 (USSR)

ABSTRACT: In measuring the output voltage of ferro-resonance stabilizers fitted to television sets, the results are often higher than the maker's guaranteed voltage. The author explains this phenomenon by the type of measuring instrument currently used. The Ts-312 volt-ammeter, the AVO-5M, TT-1 and TT-2 ammeter-voltmeter-ohmmeter presuppose a sinusoidal voltage curve, whereas the voltage curve of the ferroresonance stabilizer is strongly distorted and its form factor is here not equal to 1.11 but approximately to unity. This results in the instruments recording a too high voltage. The recommended type of instrument in this case is an astatic electromagnetic voltmeter in the 0.5 accuracy class.

1. Voltage stabilizers--Test equipment 2. Television--Equipment

Card 1/1

Country : RUMANIA
Category: Cultivated Plants. Commercial. Oil-Bearing.
Sugar-Bearing.

M

Abs Jour: RZhBiol., No 11, 1958, No 49070

Author : Valuta, Gh.; Comanescu, V.; Berlindci, M.; Popovici, M.
Inst : Sci. Res. Inst. of Agriculture
Title : Sowing Times for Vernalized and Non-Vernalized Sugar Beet Seeds.

Orig Pub: An. Inst. cercetari agron, 1957, 24, No 5, 71-91

Abstract: Field tests which were carried out in the years 1950-1953 in Rumania on the experimental base in Moara Domneasca (Bucharest Prov.), Kympiya Turziy (Cluj Prov.), Targu Frumos (Jassy Prov.) and

Card : 1/3

M-138

Country : RUMANIA

M

Category: Cultivated Plants. Commercial. Oil-Bearing.
Sugar-Bearing.

Abs Jour: RZBiol., No 11, 1958, No 49070

Lovpin (Timisoara Prov.) have shown that in Bucharest Prov. sugar beets ought to be sown as early as possible. The average harvest yield under these sowing conditions was 193 cwt/ha. The sowing of sugar beets should also be carried out early at Cluj Prov. A delay in sowing produced a considerable reduction in root and sugar yields. In Jassy Prov. sowing should be extended to about three weeks. Vernalization of the seeds sometimes increased the root harvest by 14%. Better results through early sowing are also reported from Timisoara. Seed vernalization resulted in

Card : 2/3

Country : RUMANIA

M

Category: Cultivated Plants. Commercial. Oil-Bearing.
Sugar-Bearing.

Abs Jour: RZhBiol., No 11, 1958, No 49070

an increase in the root harvest by 10-18 cwt/ha.
in late sowing. -- A.M. Smirnov

Card : 3/3

M-139

BERLINER, B. I.

Berliner, B. I. and Popova, N. A. "Certain results in the treatment of disabled soldiers of the Great Fatherland War in the Uz SSR for 1946 and the basic measures taken in the first post-war Five-Year Plan," Sbornik trudov Nauch.-issled. on-ta ortopedii, travmatologii i protezirovaniya (M-vo zdravookhraneniya Uz SSR), Vol. I, 1948, p. 15-25

SO: U-4934, 29 Oct. 53, (Letopis 'Zhurval'nykh Stately, No. 16, 1949).

BERLINER, B. I.

Berliner, B. I. and Popova, M. A. "Clinical-statistical characteristics of the causes of invalidism resulting from gun shot wounds, based on data from the Tashkent VIMK," Sbornik trudov Nauch.-issled. in-ta ortopedii, travmatologii i protezirovaniya (M-vo zdravookhraneniya RSFSR), Vol. I, 1948, p. 27-32

SO: U-4934, 29 Oct. 53, (Letopis 'Zhurval 'nykh Statist., No. 16, 1949).

BERLINER, B. I.

Berliner, B. I. "The remote results of the phalangization of the first metacarpus bone,"
Sbornik trudov Nauch.-issled. in-ta ortopedii, travmatologii i protesirevaniya
(M-vo zdravookhraneniya Uz SSR), Vol. I, 1948, p. 199-210

SO: U-4934, 29 Oct. 53, (Letopis 'Zhurval 'nykh Stately, No. 16, 1949).

BERLINER, B. I.

Berliner, B. I. "Dynamometer for measuring the muscular strength of Krukenberk, 'fingers',"
Sbornik trudov Nauch.-issled. in-ta ortopedii, travmatologii i protezirovaniya (K-vo
zdravookhraneniya Uz SSR), Vol. I, 1948, p. 211-15

SO: U-4934, 29 Oct. 53, (Letopis 'Zhurval 'nykh Stately, No. 16, 1949).

BERLINER, B. I.

27970. BERLINER, B. I. -- Nekotoryye itogi dvukhletney deyatel'nosti i ocherednyye zadachi uzbekistanskogo nauchno-issledovatel'skogo instituta ortopedii, travmatologii i protezirovaniya. Trudy pervoy nauch. Mezhresp. Konf-tsii po lecheniyu invalidov otechestv. voyny v sred. Azii tashkent. 1949, S. 7-23.

SO: Letopis' Zhurnal'nykh Statey. Vol. 37, 1949.

BERLINER, B. I.

27971. BERLINER, B. I., POPOVA, M. A. i NOZHNITSKIY, A. D. --- Kharakteristika invalidnosti po materialam vtek g. tashkenta. Trudy pervoy nauch. Mezhresp. Konf-tsii po lecheniyu invalidov otechestv. Voyny v sred. Azii. Tashkent, 1949, S. 69-75

SO: Letopis' Zhurnal'nykh Statey. Vol. 37, 1949.

BERLINER B.I.

BERLINER, B.I., professor; MABATOVA, Z.N., ml. nauchn. sotr.

Industrial accidents and traumatological aid in cotton gins
in Uzbekistan. Ortop.travm. i protez. no.4:41-44 Jl-Ag '55.
(MLRA 8:10)

1. Iz nauchno-issledovatel'skogo instituta ortopedii, trav-
matologii i protezirovaniya Ministerstva zdravookhraneniya
USSR(dir.-kandidat med. nauk A. Sh. Shakirov)

(WOUNDS AND INJURIES,

in cotton mill workers)

(OCCUPATIONAL DISEASES,

inj. in cotton mill workers)

BERLINER, Boris Isaevich, professor; KOGAN, S.M., redaktor; PINKHASOV, Ya.,
tekhnicheskiy redaktor.

[Study on the history and development of surgical services for the
population of Uzbekistan] Ocherk istorii i razvitiia khirurgicheskoi
pomoshchi naseleniu Uzbekskoi SSR. Tashkent, Gos.izd-ve Uzbekskoi
SSR, 1956. 90 p. (MLRA 10:4)

(Uzbekistan--Surgery--History)

HERRLIMER, B.I., professor

Activities of the Tashkent Society of Orthopedists and Traumatologists
in 1955. Ortop., travm. i protex. 17 no.3:79 My-Je '56. (MLRA 9:12)

1. Predsedatel' Tashkentskogo nauchnogo obshchestva ortopedov i
travmatologov.
(ORTHOPEDIA)

BERLINER, B.I., professor

Intra-articular phenol injection as a method for curing paralytic flailing of joints. Ortop., travm. i protes. 18 no.2:24-27 Mr-Apr '57.

1. Iz kliniki ortopedii (zav. - prof. B.I.Berliner) Uzbekskogo nauchno-issledovatel'skogo instituta ortopedii, travmatologii i protезirovaniya (dir. - kandidat meditsinskikh nauk A.Sh.Shakirov)

(JOINTS, paralysis

ther., phenol, intra-articular inject.)

(PHENOOL, ther. use

paralysis of joints, intra-articular inject.)

BERLINER, B.I., prof.

Method of orthopedic treatment for severe forms of ischias. Ortop.
travm.i protex. 20 no.8:48-51 Ag '59. (MIRA 12:11)

1. Iz kliniki ortopedii Tashkentskogo nauchno-issledovatel'skogo
instituta travmatologii i ortopedii (dir. - kand.med.nauk A.Sh.
Shakirov) i kafedry travmatologii i ortopedii (zav. - prof. B.I.
Berliner) Tashkentskogo meditsinskogo instituta. (dir. - dotsent
A.G. Gulamov).

(SCIATICA, therapy)

BERLINER, B.I., prof.

Surgical elongation of shortened lower extremities of paralytic etiology. Ortop., travm.i protex. no.7:35-39 '61.

(MIRA 14:8)

1. Iz kafedry ortopedii i travmatologii Tashkentskogo meditsinskogo instituta (dir. - dots. A.G. Gulamov) i Nauchno-issledovatel'skogo instituta travmatologii i ortopedii (dir. - kand. med.nauk A.Sh. Shakirov).

(POLIOMYELITIS) (EXTREMITIES, LOWER—SURGERY)

BERLINER, E.M.

Precision thread cutting on automatic lines. Avt.prom. 28
no.10:43-44 O '62. (MIRA 15:9)

1. Moskovskiy avtozavod im. Likhacheva.
(Screw cutting)

BERLINER, G. B.

GENDLEVA, M.A., podpolkovnik meditsinskoy sluzhby; BERLINER, G.B.,
kapitan meditsinskoy sluzhby

Clinical aspects of gasoline pneumonia. Voen.med.shur.no.12:71
D '56. (MLRA 10:3)
(PNEUMONIA) (GASOLINE--TOXICOLOGY)

GEMBITSKIY, Ye.V., kand.med.nauk; SOBOLEV, P.I.; BERLINER, G.B.

Clinical course and treatment of acute luminal poisoning. Sov.
med. 23 no.7:102-106 J1 '59. (MIRA 12:11)
(PHENOBARBITAL toxicology)

GENDIELEVA, M.A.; BERLINER, G.B.

Electrocardiogram in severe anemia. Klin.med. 38 no.7:155 '60.
(MIRA 13:12)

(ANEMIA) (ELECTROCARDIOGRAPHY)

BERLINER, G.B.

Reducing in the action of atropine on the salivary glands by
novocaine. Klin.med. 38 no.4:125-126 Ap '60. (MIRA 14:1)
(SALIVARY GLANDS) (ATROPINE) (NOVOCAIN)

GENDKLEVA, M.A.; BERLINER, G.B.

Remission in a case of severe chronic lymphatic leukemia. Klin.
med. 39 no.1:147-148 Ja '61. (MIRA 14:1)
(LEUKEMIA)

BERLINER, G.B.

Case of hemorrhagic thrombocytopenia successfully treated with raw spleen. Probl. gemat. i perel. krovi 6 no.3:45-46 Mr '61.
(MIRA 14:3)

(PURPURA (PATHOLOGY)) (SPLEEN)

BERLINER, G.B., mayor meditsinskoy sluzhby

Use of pantothenic acid. Voen.-med.zhur. no.9:81-82 S '61.
(MIRA 15:10)
(PANTOTHENIC ACID--THERAPEUTIC USE)

GEYRO, S.B., dotsent; BERLINER, G.B.; SINENKO, L.F. (Leningrad)

Successful X-ray therapy of torpid paraparesis of the legs
in chronic lymphatic leukemia. Klin.med. no.9:143-146 '62.
(MIRA 15:12)

1. Iz kliniki fakul'tetskoy terapii (nach. - prof. V.A. Beyyer)
i kafedry rentgenologii i radiologii (i. o. nach. - prof. V.S.
Vakhtel') Voyenno-meditsinskoy ordena Lenina akademii imeni S.M.
Kirova.

(LEUKEMIA) (PARAPLEGIA)
(X RAYS—THERAPEUTIC USE)

"APPROVED FOR RELEASE: 06/08/2000

CIA-RDP86-00513R000205010005-8

BERLINER, G.B.; SOBOLEV, P.I.; MOS'PANOV, L.S. (Petrozavodsk)

Intravital diagnosis of a primary tumor of the heart. Klin.
med. 40 no.11:118-120 N°62. (MIRA 16:12)

APPROVED FOR RELEASE: 06/08/2000

CIA-RDP86-00513R000205010005-8"

BERLINER, G.B.; MOS'PANOV, L.S.

Conversion of paroxysmal tachycardia into cardiac fibrillation
in Wolff-Parkinson-White syndrome. Terap. arkh. 34 no.10:
119-121 0^o62 (MIRA 17:4)

1. Iz Petrozavodskogo voyennogo gospitalya.

BERLINER, G.B.

Current state of the problem of the pathogenesis and treatment
of Mar-hiafava-Micheli disease; survey of the literature. Probl.
gemat. i perel. krovi 9 no.4:23-29 Ap '64.

(MIRA 17:11)

1. Vojenno-meditsinskaya ordena Lenina akademika imeni Kirova i
Leningradskiy ordena Trudovogo Krasnogo Znameni nauchno-issledo-
vatel'skiy institut perelivaniya krovi.

TEODOROVICH, V.P.; BERLINER, G.B.

Clinical morphological study of Marchiafava-Micheli disease.
Probl. gemat. i perel. krovi 9 no.4:15-18 Ap '64.

(MIRA 17:11)

1. Gematologicheskaya klinika (zav. - prof. S.I. Sherman) i
patologoanatomiceskaya laboratoriya (zav. - dotsent V.P. Teo-
dorovich) Leningradskogo ordena Trudovogo Krasnogo Znameni
nauchno-issledovatel'skogo instituta perelivaniya krovi (dir. -
dotsent A.D. Belyakov, nauchnyy rukovoditel' chlen-korrespondent
AMN SSSR prof. A.N. Filatov).

BERGUM, G.B. (Petrozavodsk)

Organization of preventive treatment with washed erythrocytes
of the Marchiafava-Micheli disease. Probl. gemat. i perel. krovi
no.10:54-55 '63 (MIRA 18:1)

LARIONOVA, Ye., kand.ekonom.nauk; LEVIN, L.R., mag.ekonom.nauk; BERLINER,
G.Sh. (Tashkent); BELEN'KII, M.N., kan.ekonom.nauk (Tashkent);
PERTSEV, V.G., kand.ekonom.nauk (Tashkent)

Book on transportation finances. Reviewed by E.V.Larionova and
others. Zhel.dor.transp. 46 no.6:93-96 Je '64.

(MIRA 18:1)

1. Nachal'nik finansovoy sluzhby Sredneaz.atskoy dorogi (for
Berliner).

BERLINER, I.A., k.t.n.

Automation of drying processes. Tekhnika Bulg 11 no.1;28-31 '62.

"APPROVED FOR RELEASE: 06/08/2000

CIA-RDP86-00513R000205010005-8

BERLINER, M.A.

BERLINER, M.A. Electrical instruments for measuring the moisture of grains Moskva, Gos. izd-va. tekhn. ekon. lit-ry po voprosam zagotovok, 1949. 103 p.

APPROVED FOR RELEASE: 06/08/2000

CIA-RDP86-00513R000205010005-8"

CA BERLINER, M.

12

Apparatus for automatic control of moisture in butter.
I. V. Khavruts and M. B. Borkinovskii. *Khokhlyye Prom.*, 12, No. 6, 21-4 (1951).—The app. is an automatically operating dielec. const.-detec. device which records the results in continuous production of butter. A circuit diagram is given.
G. M. Kosolapoff

"APPROVED FOR RELEASE: 06/08/2000

CIA-RDP86-00513R000205010005-8

APPROVED FOR RELEASE: 06/08/2000

CIA-RDP86-00513R000205010005-8"

BERLINEK, Mark Aleksandrovich, kandidat tekhnicheskikh nauk; UDAL'TSOV,
A.H., glavnnyy redaktor; SHTEYNBOK, G.Yu., vedushchiy redaktor

[Defectoscopes with magnetic sounding devices] Defektoskopy s magnit-
nymi sondami. Tema 3. Moskva, Akademiia nauk SSSR, 1956. 10 p.
(Testing machines) (MLRA 10:1)
(Metals--Defects)

BERLINER, M.A., kandidat tehnicheskikh nauk.

Automatizing the control of a screw conveyor. Leg.prom. 16 no.9:
17-19 S '56. (MLRA 9:11)
(Conveying machinery) (Automatic control)

"APPROVED FOR RELEASE: 06/08/2000

CIA-RDP86-00513R000205010005-8

APPROVED FOR RELEASE: 06/08/2000

CIA-RDP86-00513R000205010005-8"

HERLINER, M.A.

Electromagnetic thickness meter. Zav.lab. 22 no.3:342-344 '56.
(MLRA 10:5)

1. Tsentral'naya nauchno-issledovatel'skaya laboratoriya fizicheskikh
metodov, issledovaniya materialov.
(Magnetic instruments)

BERLINER, M.A., kandidat tekhnicheskikh nauk.

Automatic control of staining and drying leather in dye coating
machines. Leg. prom. 17 no. 5:32-34 My '57. (MLRA 10:6)
(Dyes and dyeing--Leather) (Automatic control)

BERLINER, Mark Aleksandrovich, kand. tekhn. nauk.; SMIRNOV, Sergey Mikhaylovich,
inzh.; MAYZEL', M.M., prof., retsenzent.; VOLKOV, V.A., retsenzent.;
VARSHAVSKAYA, L.S., red.; KNAKIN, M.T., tekhn. red.

[Automatic control and regulation in the leather industry]
Avtomaticheskii kontrol' i regulirovanie v kozhevennoi promyshlennosti.
Moskva, Gos. nauchno-tekhn. izd-vo lit-ry po legkoi promyshl..
1958. 362 p.

(MIRA 11:11)

(Automatic control)
(Leather industry)

SOV/119-58-10-9/19

AUTHORS: Berliner, M. A., Candidate of Technical Sciences,
Vinogradskaya, V. B., Engineer

TITLE: Automatic Conductimetric Instrument for Concentration
Measurements (Avtomatushkiy konduktometricheskiy kontsentra-
tomer)

PERIODICAL: Priborostroyeniye, 1958, Nr 10, pp 22-24 (USSR)

ABSTRACT: The instrument mentioned above was devised at the
Laboratory for Automation of the Central Research Institute
of the Leather and Shoe Industry (TsNIKP).
Graphite of the type UG - 4 from the Kudinovo factory is used
as electrode material. The turned cylindrical graphite bars
are pressed into cylindrical little plastic tubes according
to their use. Three different types are shown.
Thermosensitive resistors MMT-9, MMT-4 are used for the
automatic compensation of the temperature.
With the electrodes and thermosensitive resistors mentioned
the error of temperature measurement - within one temperature
range of from ± 10 to $\pm 15^{\circ}$ amounted to less than 0,5 - 0,75%
of the maximum deflection of the concentration measuring

Card 1/2

SOV/119-58-10-9/19

Automatic Conductometric Instrument for Concentration Measurements

instrument.

The apparatus EMD-212 is used as amplifier. The scale is calibrated individually for each liquid.

A long test period with the various solutions $[(\text{NH}_4)_2\text{SO}_4$:
 H_2SO_4 , $\text{H}_2\text{SO}_4 + \text{NaCl}$] showed that the readings could always be reproduced. There are 3 figures.

Card 2/2

BERLINER, M.A.; PAKHOMOV, V.A.

Instrument used for automatic moisture control of tanning extract. Kosh.-obuv.prom. no.1:28-30 Ja '59. (MIRA 12:6)
(Tanning materials) (Measuring instruments)

3(7)

AUTHOR:

Berliner, M. A., Candidate of Technical Sciences SOV/119-59-7-14/18

TITLE:

On the Problem of Using a Balanced Bridge for Measuring
Air Moisture

PERIODICAL:

Priborostroyeniye, 1959, Nr 7, pp 27-28 (USSR)

ABSTRACT:

It is said in the first part of this paper that in the article on a balanced bridge for measuring air moisture, which was published by V. I. Litvin and N. U. Krostev in Priborostroyeniye, 1958, Nr 9, an error was committed when deriving the formula for the position of the runner. This error is corrected and a rough approximation is given. Next, a circuit, which is used at the laboratory for automatic devices of the Tsentral'nyy nauchno-issledovatel'skiy institut kozhevennoy promyshlennosti (Central Scientific Research Institute of the Leather Industry), for measuring the psychrometer difference by means of a balanced bridge, is discussed. The circuit is explained on the basis of a figure, and the formula for calculating the position of the runner is given. There is 1 figure.

Card 1/2

On the Problem of Using a Balanced Bridge for
Measuring Air Moisture

SOV/119-59-7-14/18

ASSOCIATION: Tsentral'nyy nauchno-issledovatel'skiy institut kozhevennoy
promyshlennosti (Central Scientific Research Institute of the
Leather Industry)

Card 2/2

BERLINER, M.A., kand.tekhn.nauk

Automatic control and regulation in leather manufacture. Nauch.-
issl. trudy TSNIKP no.30:115-120 '59. (MIRA 14:5)
(Leather industry) (Automatic control)

PHASE I BOOK EXPLOITATION

SOV/4883

Berliner, Mark Aleksandrovich

Elektricheskiye metody i pribory dlya izmereniya i regulirovaniya vlaghnosti (Electrical Methods and Instruments for the Measurement and Control of Moisture) Moscow, Gosenergoizdat, 1960. 309 p. 7,500 copies printed.

Eds.: S. M. Smirnov and V. A. Usol'tsev; Tech. Ed.: N. I. Borunov.

PURPOSE: This book is intended for scientific and technical personnel concerned with the development, design, manufacture, and use of instruments for the measurement and control of moisture. It may also be used by students in schools of higher education studying electrical measurement of nonelectric quantities.

COVERAGE: The book examines electrical methods of moisture measurement and describes automatic and nonautomatic electrical instruments for measuring the moisture content of solids, liquids, and gases. Designs, measurement diagrams, and basic characteristics of moisture and water meters are reviewed. Because of

Card 1/6

Electrical Methods (Cont.)

SOV/4883

the lack of terminology for certain new methods, the author has introduced several new terms (e.g., "electric hygrometric pickups"). The author thanks I. K. Petrov for reviewing the manuscript and S. M. Smirnov and V. A. Usol'tsev for their advice. There are 146 references: 101 Soviet, 35 English, 9 German, and 1 French.

TABLE OF CONTENTS:

Foreword	3
PART ONE. ELECTRICAL MEASUREMENT OF THE MOISTURE OF SOLID MATERIALS	
Ch. I. Moisture in Solid Materials and Methods of Measuring It	7
1. Importance of measuring moisture of materials	7
2. Determination of moisture of solid materials. State of moisture in materials	9
3. Brief review of methods of moisture measurement	14

Card ~~2/6~~

BERLINER, M.A., kand.tekhn.nauk

Automation of drying operations. Mekh.i avtom.proizv. 15
no.10:50-53 O '61. (MIRA 14:10)
(Drying) (Automatic control)

"APPROVED FOR RELEASE: 06/08/2000

CIA-RDP86-00513R000205010005-8

BERLINER, M.A., kand.tekhn.nauk

Automatic optimalizing of drying processes. Mekh.i avtom.proizv.
16 no.4:48-50 Ap '62. (MIRA 15:4)
(Drying apparatus)

APPROVED FOR RELEASE: 06/08/2000

CIA-RDP86-00513R000205010005-8"

BERLINER, M.A., kand. tekhn. nauk; KRAUSP, V.R., kand. tekhn. nauk

Automatic control system for active grain ventilation. Mekh.
i avtom. proizv. 17 no.5:35-37 My '63. (MIRA 16:6)

(Grain-Drying)
(Electronic control)

BERLINER, M.A., kand. tekhn. nauk, red.; ZHURAVLEVA, M.N., red.izd-va; EL'KIND, V.D., tekhn. red.

[Automation of drying processes in industry and agriculture]
Avtomatizatsiya protsessov suszki v promyshlennosti i sel'skom khoziaistve; sbornik statei. Moskva, Mashgiz, 1963.
290 p. (MIRA 17:2)

BERLINER, Mark Aleksandrovich, dots.; BOLOTOVSKAYA, Mona
~~Turyevna~~, assistant [deceased]; MOROZOVA, Nina
Vladimirovna, assistant; KOMAROVA, M.V., red.

[Principles of industrial electronics and automatic
control] Osnovy promyshlennoi elektroniki i avtomatiki.
[n.p.] Vysshiaia shkola, 1964. 86 p. (MIRA 17:11)

1. Kafedra "Promyshlennaya elektronika i avtomatika"
Moskovskogo avtomobil'no-dorozhnogo instituta im. Molotova.

BERLINER, Mark Aleksandrovich; SMIRNOV, S.M., retsenzent; USOL'TSEV,
V.A., red.; SHVIREV, S.S., red.

[Electrical measurements, automatic control and regulation
of moisture] Elektricheskie izmereniiia, avtomaticheskii
kontrol' i regulirovanie vlazhnosti. Izd.2., perer. i dop.
Moskva, Energija, 1965. 487 p. (MIRA 18:7)

PONOMAREV, S. I.,)
BERLINER, M. S. }Engineers
KUSHNER, Z. Yu.)

* "Tools for Machining Holes", Stanki I Instrument, 14, No. 4-5, 1943.

BR-52059019.

* Excerpts from their reports on:

BERLINER, M.S.

Automatization of lathes by means of pneumatic devices. Avt. trakt. prom. no.
11:15-19 N '53. (MIREA 6:11)

1. Moskovskiy avtozavod im. Stalina. (Lathes) (Pneumatic tools)

KATSEV, P.G., kandidat tekhnicheskikh nauk; BERLINER, M.S., inzhener.

"Broach design." Reviewed by P.G. Katsev, M.S. Berliner. Vest.mash. 33
no.3:86-89 Mr '53. (MLRA 6:5)

1. Laboratoriya rezaniya Avtomobil'nogo zavoda imeni Stalina (for Ber-
liner). (Shchegolev, A.V.) (Broaching machines)

SOV/112-57-6-12959

Translation from; Referativnyy zhurnal, Elektrotehnika, 1957, Nr 6, p 186 (USSR)

AUTHOR; Berliner, M. S.

TITLE; Automation of Universal Machine Tools by Means of Standard Pneumatic Equipment (Avtomatizatsiya universal'nykh stankov s pomoshch'yu tipovykh pnevmaticheskikh ustroystv)

PERIODICAL; V sb.: Avtomatizatsiya tekhnol. protsessov v mashinostr.
Obrabotka metallov rezaniyem i obshchiye vopr. avtomatizatsii. M., 1956,
pp 217-224

ABSTRACT; Bibliographic entry.

Card 1/1

BERLINER, M.S.

AID P - 4858

Subject : USSR/Engineering

Card 1/2 Pub. 103 - 18/26

Authors : Berliner, M. S. and I. A. Dvukrayev

Title : Device for automatic reduction of cutting speed of a broach as its trimming teeth enter the part.

Periodical : Stan. i instr., 2, 39, F 1956

Abstract : The authors describe their installation for the automatic speed reduction of a broach passing through a part to obtain a higher quality of surface finish in the machined part. Experiment with reduced speeds of cutting by broaches carried out by the Automobile Plant im. Stalin has shown that with the speed reduction there was definite improvement in the surface finish of the machined part. This device is attached to the twenty-ton longitudinal broaching machine at the Minsk Machine-tool Plant im. Kirov.

AID P - 4858

Stan. 1 instr., 2, 39, F 1956

Card 2/2 Pub. 103 - 18/26

Institution : As above

Submitted : No date